

Bond Promoter HP

Additive for DEGADUR® coating resins to improve the adhesion on metal surfaces and ceramic tiles.

Properties

Bond Promoter HP improves the adhesion of DEGADUR® coatings on metallic and ceramic substrates. Due to its highly corrosive properties, Bond Promoter HP should be stored only in the original containers and mixed into the resins just prior to use. DEGADUR® resins containing Bond Promoter HP are not stable in storage!

Guide formulations:

HP/1 - Primer on sheet iron, degreased *)

Sprinkle surface with carborundum or quartz sand (0.5 - 1.0 mm).

| | | |
|-----|----------|----------------------------|
| 100 | % by wt. | DEGADUR® 529 |
| 0.2 | % by wt. | Bond Promoter HP |
| 4.0 | % by wt. | hardener powder (BPO 50 %) |

*) Comparable adhesion is also obtained on other metals such as aluminium and galvanised iron.

Pot life and hardening time:

| Temperature [°C] **) | Hardener [% by wt.] *) | Pot life [min] ***) | Hardening time [min] |
|----------------------|------------------------|---------------------|----------------------|
| 20 - 30 | 4.0 | approx. 20 | approx. 60 |

*) Quantity calculated on DEGADUR® 529.

**) Temperature statements refer to resin-, floor- and air-temperature.

***) The indication of the approximate pot life always refers to the lower temperature.

Guide formulations:

HP/2 - primer for ceramic tiles

We recommend to broadcast the primer before curing commences with quartz sand (0.3 - 0.8 mm) max. 200 g/m².

| | | |
|-----|----------|----------------------------|
| 100 | % by wt. | DEGADUR® 112 |
| 0.5 | % by wt. | Bond Promoter HP |
| 4.0 | % by wt. | hardener powder (BPO 50 %) |

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Pot life and hardening time:

| Temperature [°C] **) | Hardener [% by wt.] *) | Pot life [min] | Hardening time [min] |
|----------------------|------------------------|----------------|----------------------|
| 20 - 30 | 4.0 | approx. 10 | approx. 30 |

*) Quantity calculated on DEGADUR® 112.

**) Temperature statements refer to resin-, floor- and air-temperature.

***) The indication of the approximate pot life always refers to the lower temperature.

After proper curing of primer, any desired cover layer for example with DEGADUR® 332, 418, 419 or 151 can be applied.

More accounts

The addition of Bond Promoter HP induces a delay in curing of DEGADUR® resins as well as a visible yellow colour of the products. Therefore it is recommended that, with higher dosages of Bond Promoter HP (> 0.3 %) or at temperatures below 20 °C, about 0.2 to 0.3 % of Accelerator 101 has to be added and the amount of hardener powder is increased likewise to 4 to 5%.

Typical properties are approximate reference values. If you need product specifications please contact us.

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